

# Pixels

■ The U.S. Army's PEO STRI has released the OneSAF Objective System (OOS) software for embedded training on the Future Combat Systems (FCS). The OOS will become a common training component on every FCS platform with an embedded training capability. It will represent specific activities of ground warfare, combat support, combat service support and C4I. The OOS will also simulate the physical environment and its effect on activities and behaviors. PEO STRI's product manager for One Semi-Automated Force will manage the software implementation and distribution.

PEO STRI also announced the establishment of the Western Field Activity Office, a subsidiary of the Project Manager for Instrumentation, Targets and Threat Simulators' Instrument Management Office. The office, at Fort Huachuca, Ariz., will provide life-cycle management expertise for the acquisition of major instrumentation, models and simulations used by the Army Test and Evaluation Command and the Joint Interoperability Test Center.

■ ASTI, Herndon, Va., will supply networked communication and environmental audio simulation for Boeing's new AH-64D Apache Longbow trainers. The first systems will be delivered in support of the Japan Defense Agency's Ground Self Defense Force Longbow training program. Subsequent systems will be deployed as constituents of the U.S. Longbow Crew Trainer (LCT) No. 24 as well as the Kuwait LCT and Multi-Pur-

pose Display Trainer.

The new Longbow trainers will receive Telestra Model Builder Visual systems providing aural cueing and simulated communications. Audio simulation capabilities include rotors, engines, auxiliary power units, weather effects, crash sounds, external weapons and malfunction sounds. Radios such as the ARC-201 and ARC-210 will be modeled in several trainers, and the Japanese JARC-F210 and unique Japanese secure voice system requirements will be integrated into the trainer destined for that country.

ASTI was also awarded a contract by L-3 Communications to provide Telestra Model Builder Visual voice communication systems for seven Predator Mission Aircrew Training System (PMATS) trainers and three PMATS Brief/Debrief systems. The PMATS program is designed to enable Predator unmanned aerial vehicle pilots and sensor operators to undergo initial qualification, as well as mission qualification and rehearsal.

■ A visual system upgrade for the Lockheed Martin Helicopter Demo Center in Crystal City, Va., has been completed by Display Solutions, Hudson, Mass. The upgrade replaces existing direct-view flat panels with a high-fidelity projector visual system and curved screen.

Display Solutions delivered and installed a three-channel visual display system with 150 degrees horizontal and 45 degrees vertical fields of view. The upgraded system includes Projection Design F2 video projectors, a Hurley cylindrical screen and video preprocessors manufactured by 3-d Perception.

The visual system is driven by Diamond Visionics image generators.

■ Booz Allen Hamilton, McLean, Va., was awarded a \$32.8 million, five-year contract to provide future warfare study and war-gaming support to the U.S. Army Training and Doctrine Command. The Booz Allen team of 11 companies will provide services that include senior subject matter expertise in strategic and operational gaming, traditional and irregular complex operations and information operations; space and ISR operations; and game operations and technical support.

■ SafeCargo Liquid Cargo Handling Simulators from MPRI, Alexandria, Va., have been selected for installation at several maritime academies: the Massachusetts Maritime Academy in Buzzards Bay; the State University of New York Maritime Academy in the Bronx; Belgium's Antwerp Maritime Academy; and the RTM STAR Center in Dania Beach, Fla. SafeCargo is a PC-based simulator designed to provide real-time training in all aspects of handling bulk liquids and gases, both ashore and afloat. The system simulates the thermodynamic and fluid properties of liquids and gases aboard vessels and shore-based facilities.

■ Lockheed Martin will deliver an enhanced version of the Paveway II Laser Guided Training Round (LGTR) to the U.S. Navy in 2007 under a \$19 million contract. Paveway II LGTRs are used in place of the Navy's inventory of munitions to train aircrews in live-fire instruction and weapons delivery proficiency. LGTRs are

compatible with F-16, F-18, AV-8 and multiple international platforms. The enhanced version of the Paveway II LGTR is a result of a joint Lockheed Martin-U.S. Navy continuous product improvement program to increase war-fighter training versatility and enhance performance in airborne lasing in tactical target environments.

The indefinite delivery/indefinite quantity award includes four one-year options for LGTRs each year through March 2009, totaling \$114 million if all options are exercised.

■ MultiGen-Paradigm released a new set of visualization software products that include Creator VT Studio, an entry-level version of Creator Terrain Studio; a database exporting module; and ready-to-use high-performance visual applications that require no additional programming to operate.

■ MAK Technologies, Cambridge, Mass., has added support for TENA (Test and Training Enabling Architecture) to its VR-Link and VR-Exchange products. TENA is an interoperability architecture developed for the live-range community. The VR-Link interoperability toolkit now offers a TENA add-on module. The module allows VR-Link to support TENA through the same application programmer's interface that is used for distributed interactive simulation and high level architecture. VR-Exchange, MAK's universal translator for distributed simulation, now also offers TENA support. VR-Exchange links together different protocols, run time infrastructures and object models using a protocol-independent data exchange and brokers for various protocols.

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